MD5 Checker
User Manual

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MD5 Checker

Introduction

MD5 Checker is a utility program to generate, check and list file MD5 Hashes (Message Digests).

The program has been designed to be simple and easy to use. Please take a little time to read the user manual in order to get the most out of the program.

Requirements

Windows®. MD5 Checker version 4.0.0 has been tested with Windows XP, Vista and 7.

Licence

This software is provided as Freeware on an *as is* basis, without any express or implied warranty. In no event shall the author be liable for any claim, damages or other liability, arising from, out of, or in connection with the software or the use or other dealings in the software.

Author

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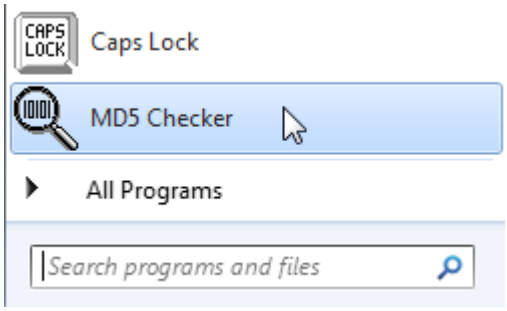
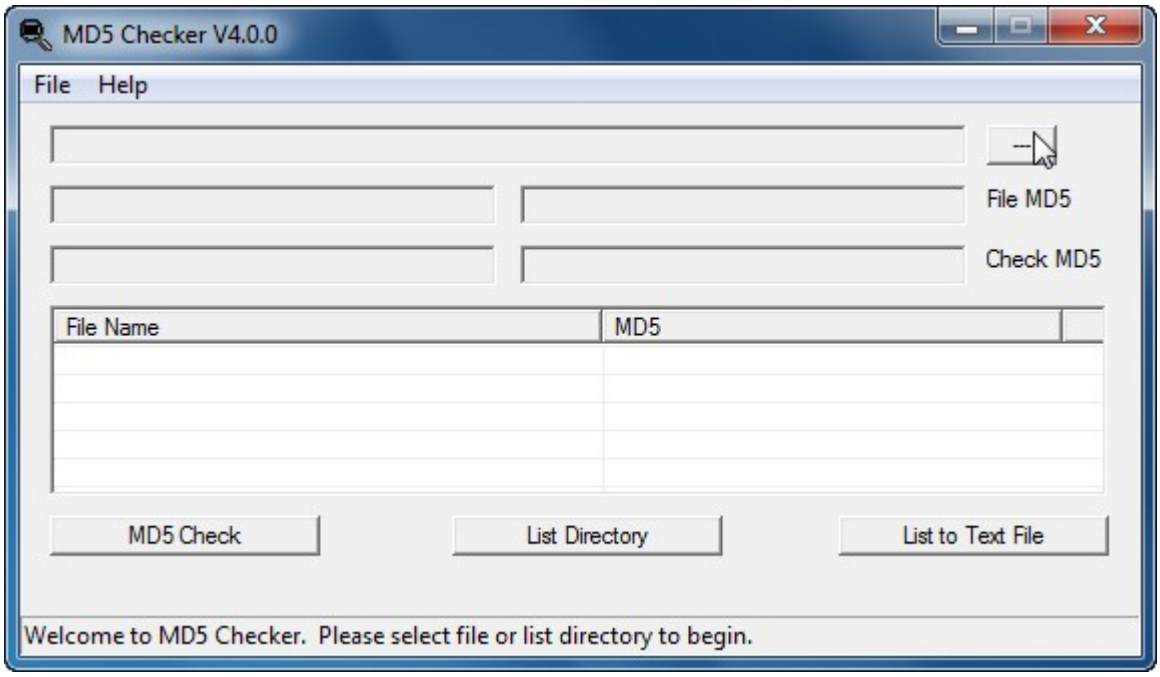
Starting MD5 Checker



Click on Start and MD5 checker if you have installed the program. Stand-alone version users double-click the MD5 Checker program icon.

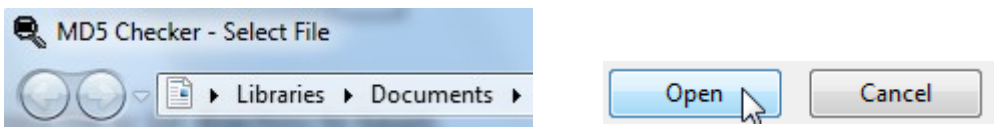
Tip: Note the text information guide shown in the status bar at the bottom. The status bar indicates the current status of the program at all times.

Selecting a File



There are a few ways to select a file for processing and checking.

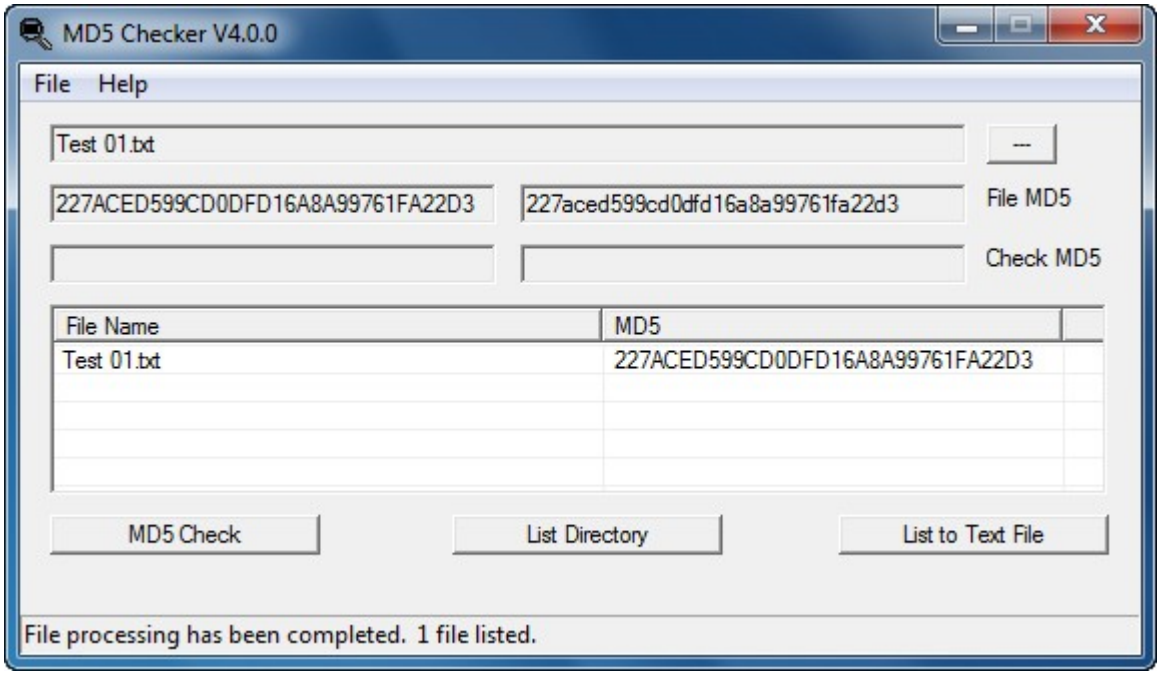
Click on the file selector button (shown above)
Click on the menu item File and then Select File
Press and hold down the Alt key on the key board and then press the letter F and F again
Use the keyboard shortcut Ctrl + F



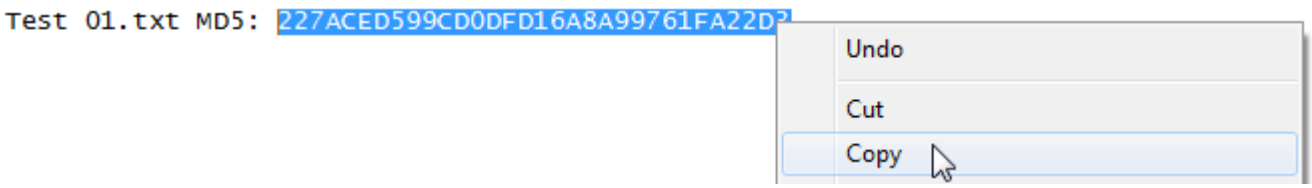
A Select File window will be displayed. MD5 Checker will default to viewing files in the the user's Documents folder. Select the file to be checked and click on the Open button.

MD5 Check

Once a file has been selected and processed, the file and its MD5 hash, in upper and lower case, are displayed in the text boxes. The file and its MD5 hash are also added to the list box.



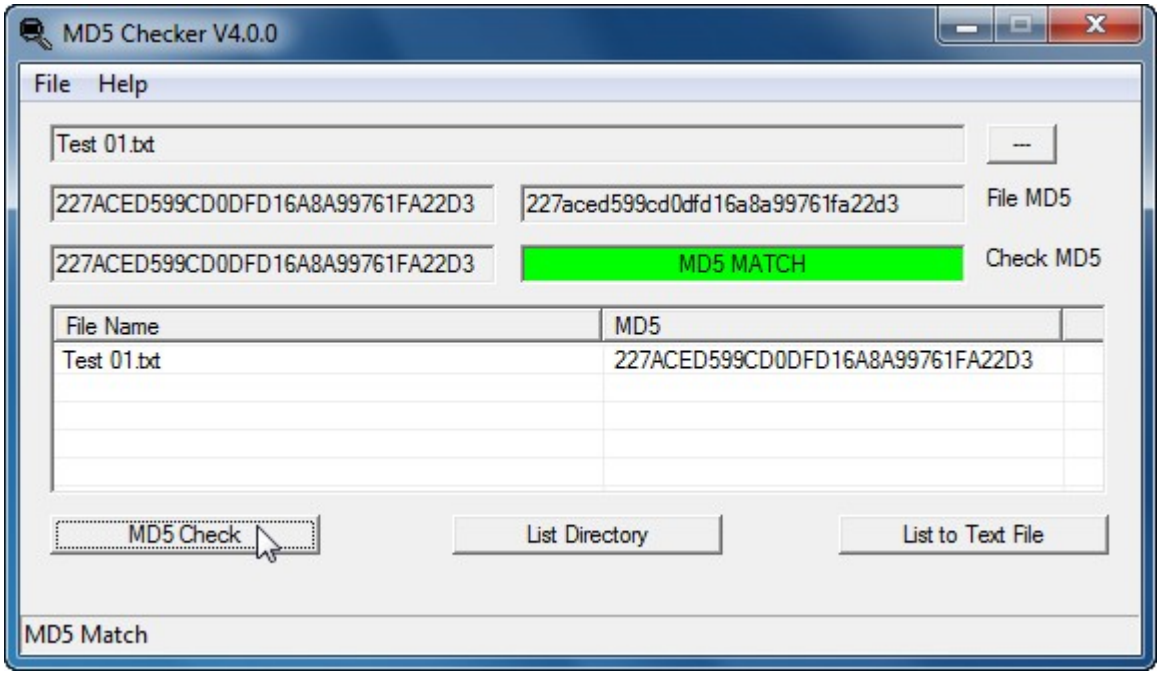
Copy the file's published MD5 hash to the Clipboard.



This can be done by highlighting the MD5 hash and then right-clicking the mouse button and selecting Copy from the drop down menu.

MD5 file hashes may be obtained from websites or supplied on a DVD or CD.

Tip: Use only MD5 hashes from a trusted source such as a program author's website or on a DVD/CD supplied directly to you from a trusted supplier.

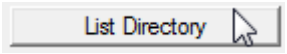


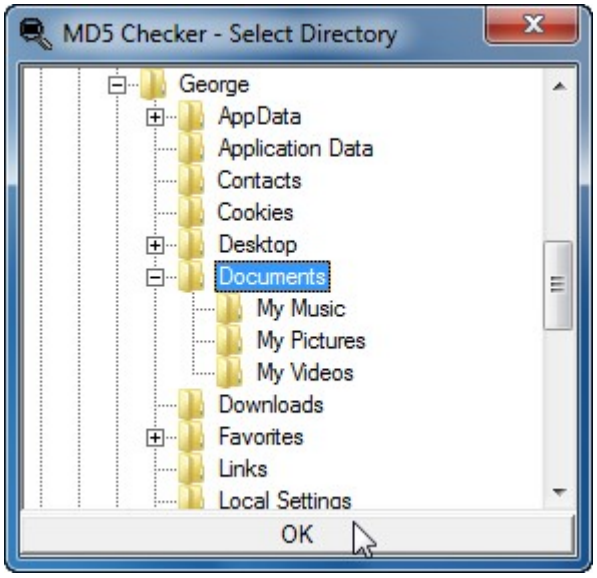
Click on the MD5 Check button, use the menu options or keyboard shortcut Ctrl + C.

A match or mismatch indication is given. If there is no MD5 hash available on the Clipboard a check will not be made.

List a Directory

MD5 Checker will list the entire file contents of a directory.

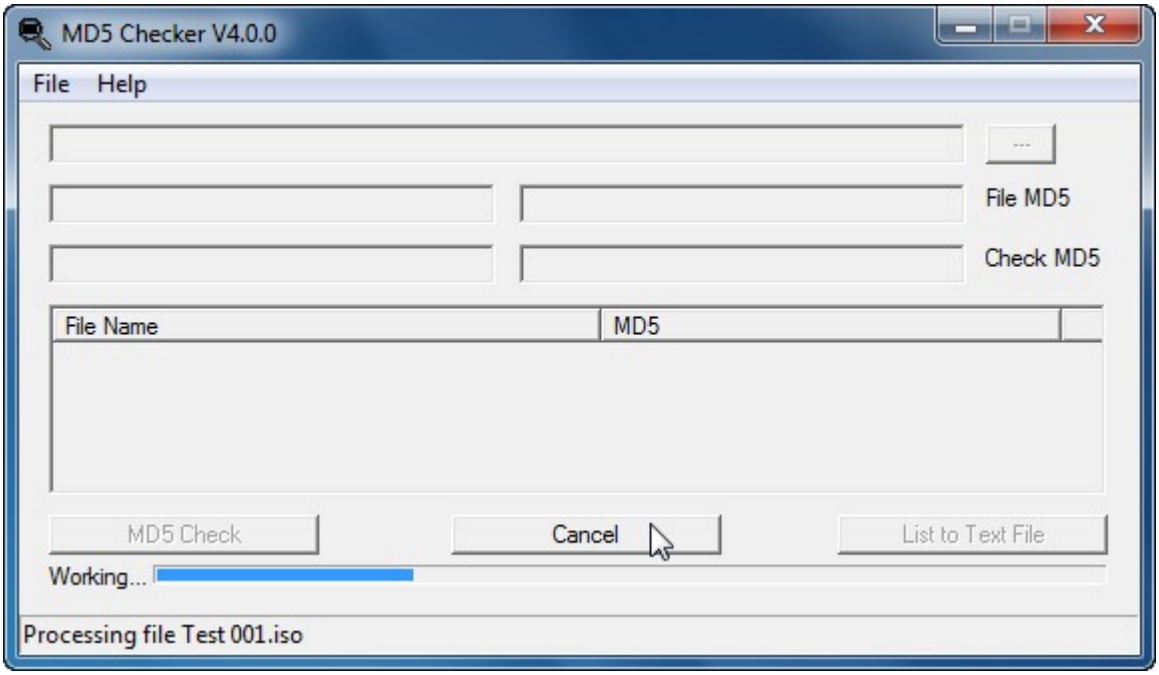




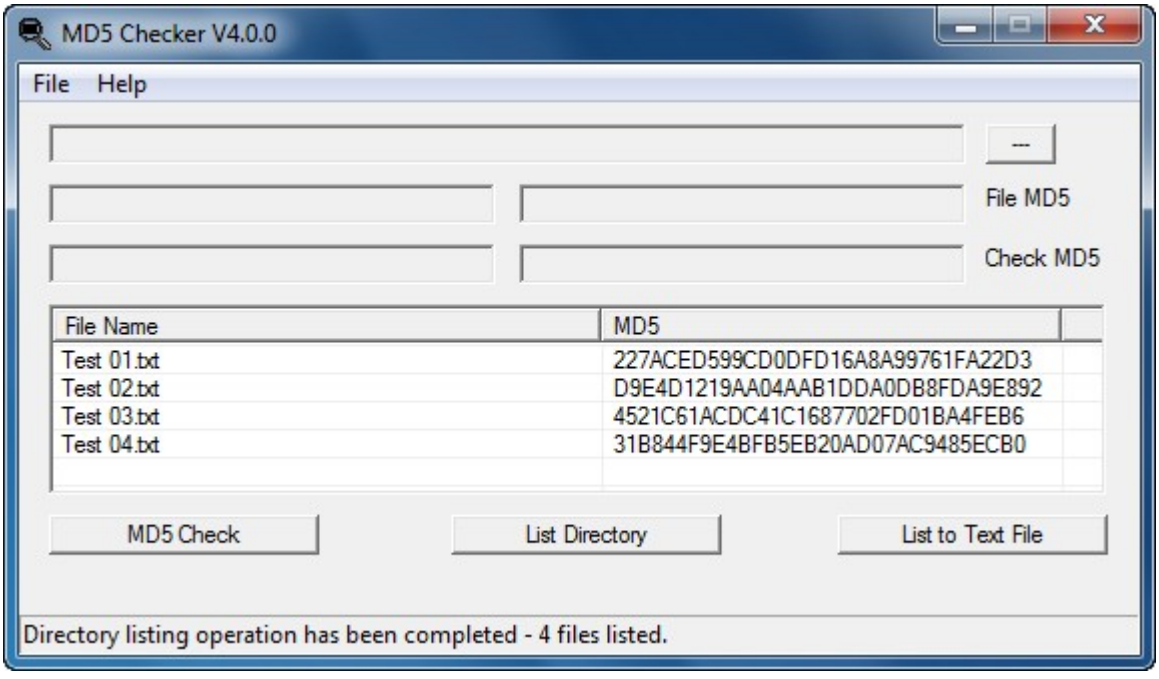
Click on the List Directory button, use the menu options or keyboard shortcut Ctrl + D to display the Select Directory window. MD5 Checker will default to the user's Documents folder.

Navigate to the directory that you want to list and click on the OK button. Clicking the OK button without navigating to a different directory will list the file contents of the Documents directory.

NB. MD5 Checker cannot list files in special types of Windows System folders such as the Recycle Bin. The status bar will indicate files and directories that cannot be listed



Click on the Cancel button at any time during the listing process. MD5 Checker will complete processing of the file it is currently working on and then cancel the listing. The status bar will indicate this. Program options are disabled during file processing.

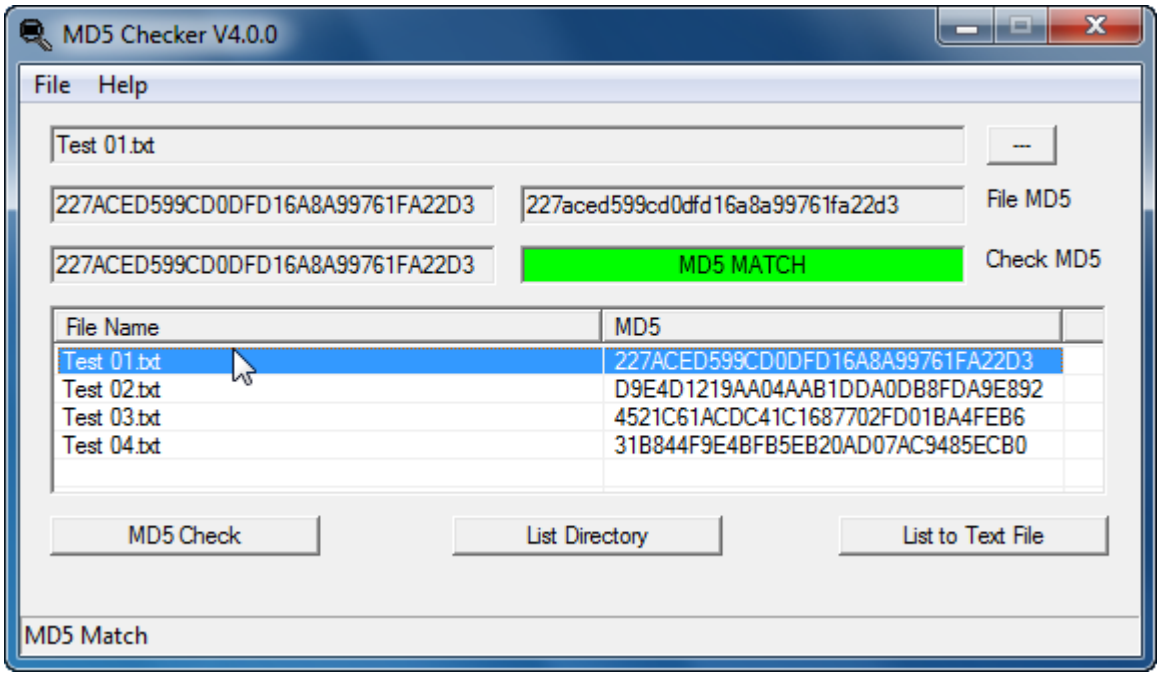


All files in the selected directory and their corresponding MD5 hashes are listed in the list box.

MD5 Check - Files in the List Box

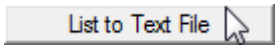
MD5 Checker allows you to check the MD5 hash of any file listed in the list box.

Copy the published MD5 hash to the clipboard as shown before and then click on the file name or its MD5 hash in the list box. The file details are displayed in the text boxes above and a check is automatically made with the published MD5 hash on the Clipboard.

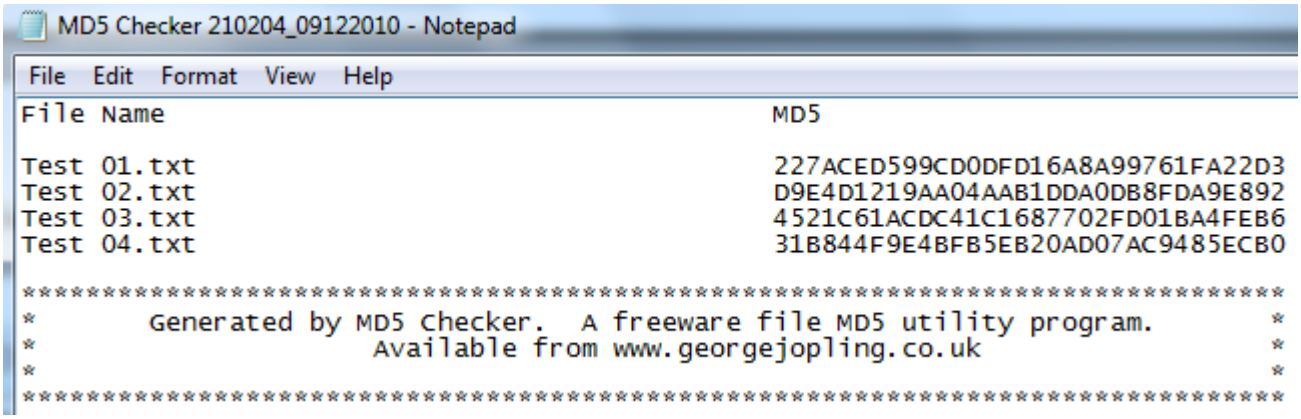


A match or mismatch indication is given. If there is no MD5 hash available on the Clipboard a check will not be made. The user can now list further files and then make any number of MD5 hash checks.

List to Text File



MD5 Checker can generate a formatted text file output of all files currently listed in the list box.


MD5 Checker 210204_09122010 - Notepad
File Edit Format View Help
File Name MD5
Test 01.txt 227ACED599CD0DFD16A8A99761FA22D3
Test 02.txt D9E4D1219AA04AAB1DDA0DB8FDA9E892
Test 03.txt 4521C61ACDC41C1687702FD01BA4FEB6
Test 04.txt 31B844F9E4BFB5EB20AD07AC9485ECB0
Generated by MD5 Checker. A freeware file MD5 utility program.
Available from www.georgejopling.co.uk

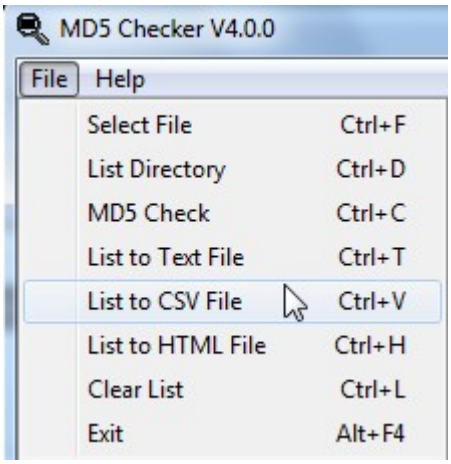
Click on the List to Text File button, use the menu options or keyboard shortcut Ctrl + T.

The text file name is in the format of hours, minutes, seconds, underscore, day, month, year. The file is automatically displayed using the associated text file program on your computer (Notepad in the example given above). Text files are stored in the user's Documents folder.

Long file names are truncated in the text file output and are indicated by a tilde (~).

Tip: If you distribute files on DVD/CD, MD5 Checker can be used to list all the files and their MD5 hashes. Add the generated text file and MD5 Checker.exe to the disk.

List to CSV File



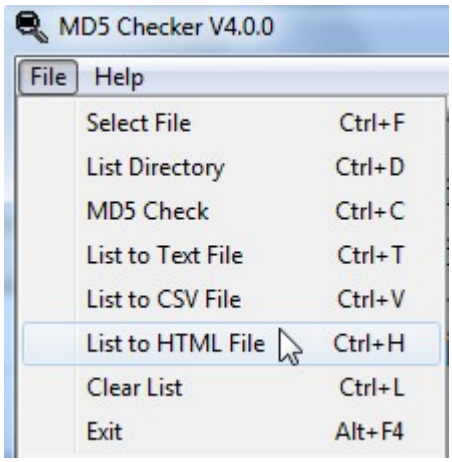
MD5 Checker can generate a CSV (Comma Separated Values) file output of all files currently listed in the list box. This can be opened using a spreadsheet program or imported into a database.

Click on the menu item File and select List to CSV File or use the keyboard shortcut Ctrl + V.

	A	B
1	File Name	MD5
2	Test 01.txt	227ACED599CD0DFD16A8A99761FA22D3
3	Test 02.txt	D9E4D1219AA04AAB1DDA0DB8FDA9E892
4	Test 03.txt	4521C61ACDC41C1687702FD01BA4FEB6
5	Test 04.txt	31B844F9E4BFB5EB20AD07AC9485ECB0

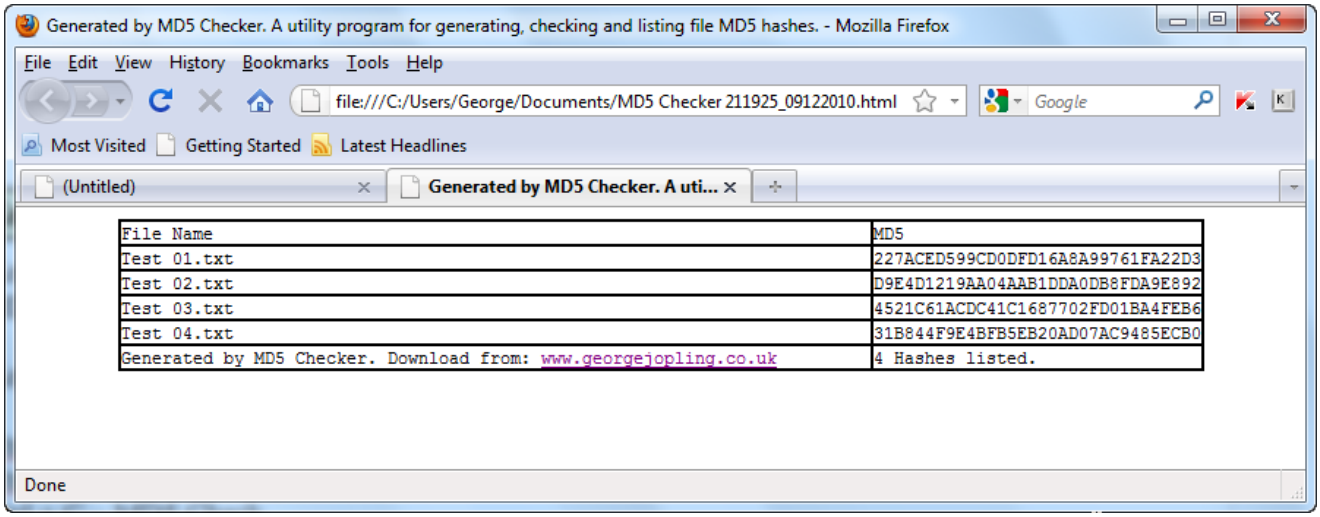
The CSV file name is in the format of hours, minutes, seconds, underscore, day, month, year. The file can be opened in Excel/Calc or imported into a database. CSV files are stored in the user's Documents folder.

List to HTML (Web Page)



MD5 Checker can generate an HTML (Web Page) file output of all files currently listed in the list box. This can be opened using a Web Browser program such as Firefox.

Click on the menu item File and select List to HTML File or use the keyboard shortcut Ctrl + H.

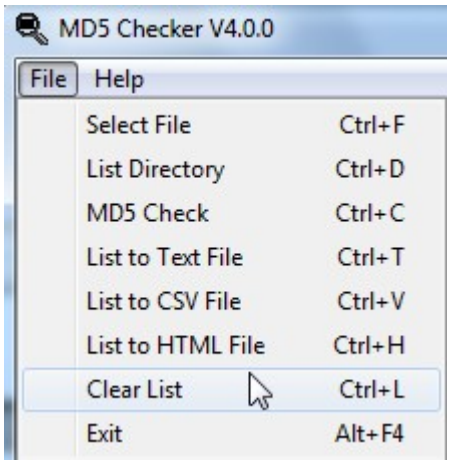

Generated by MD5 Checker. A utility program for generating, checking and listing file MD5 hashes. - Mozilla Firefox
File Edit View History Bookmarks Tools Help
file:///C:/Users/George/Documents/MD5 Checker 211925_09122010.html
Most Visited Getting Started Latest Headlines
(Untitled)
Generated by MD5 Checker. A uti...
File Name MD5
Test 01.txt 227ACED599CD0DFD16A8A99761FA22D3
Test 02.txt D9E4D1219AA04AAB1DDA0DB8FDA9E892
Test 03.txt 4521C61ACDC41C1687702FD01BA4FEB6
Test 04.txt 31B844F9E4BFB5EB20AD07AC9485ECB0
Generated by MD5 Checker. Download from: www.georgejopling.co.uk
4 Hashes listed.
Done

The HTML file name is in the format of hours, minutes, seconds, underscore, day, month, year. The file is automatically displayed using the associated Web Browser program on the user's computer). HTML files are stored in the user's My Documents folder.

The Web page is fully HTML standards compliant and validates to HTML 4.01 Strict.
World Wide Web Consortium (W3C) http://www.w3.org/

This document was successfully checked as HTML 4.01 Strict!

Clear List



Clear the list of items in the list box by clicking on the menu item File and select Clear List or use the keyboard shortcut Ctrl + L.

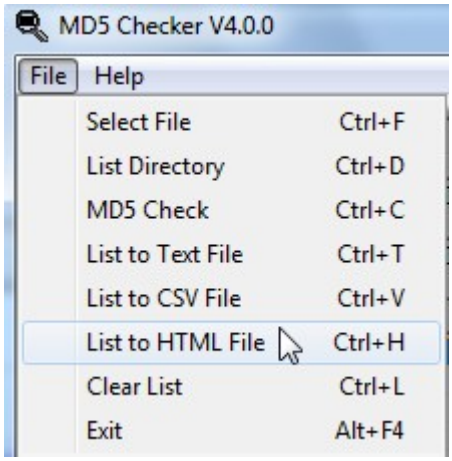
Keyboard Shortcut Keys

Keyboard shortcuts were introduced in version 3.5.0 and are the quickest way to navigate around MD5 Checker.

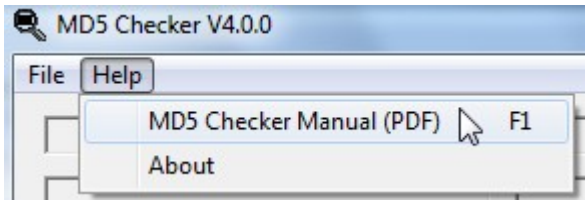
Keyboard shortcuts.

Ctrl + F – Select File
Ctrl + D – List Directory
Ctrl + C – MD5 Check
Ctrl + T – List to Text File
Ctrl + V – List to CSV File
Ctrl + H – List to HTML File
Ctrl + L – Clear List
Alt + F4 – Exit
F1 – MD5 Checker Manual (PDF)

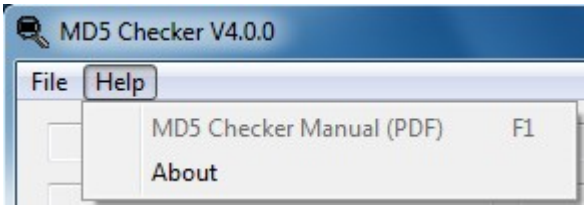
The keyboard shortcuts are shown alongside the menu items.



Help



Click on Help and MD5 Checker Manual or press the F1 key to open this PDF manual.



The MD5 Checker Manual (PDF) menu item and F1 shortcut key are disabled if the program is not installed using the Setup.exe file.

Additional Information

All files generated by MD5 Checker (.txt .csv .html) are placed in the user's Documents folder.

Exit the program at any time by clicking on the close window icon, menu item Exit or using the shortcut Alt + F4.

A PDF reader program is required to view the PDF manual.

MD5 Checker does not contain any spyware or advertising. Computer engineering and computer programming are my hobbies. I enjoy writing such programs and I hope that they are useful to you.

Please note that large files will take longer to read and process by MD5 Checker.

The Status Bar messages shows the current status of MD5 Checker.

If you do spot any errors or bugs, please contact me. Email address is on the Website.

Change Log

Current version: 4.0.0

Version 4.0.0 (1 January 2011)

Code updates. Updated User Manual. Added HTML (Web page) output. Added option to clear the list of files and MD5 Hashes. Added Help menu item for MD5 Checker Manual. Standard Windows installation Setup file.

Version 3.6.1 (5 December 2010)

No file size checking. Updated User Manual. Code changes. Shortcut keys disabled during processing.

Version 3.6.0. (1 December 2010)

Windows 7 and Vista support. Updated code for new compiler. File size check is now set at 1 Gigabyte

Version 3.5.1. (1 June 2008)
CSV file output of the list box contents. Improved reporting of file sizes over 500 MB

Version 3.5. (24 March 2008)

Select files in list box and MD5 check. Shortcut keys. Layout changes. Code optimisation.

Version 3.1. (20 March 2008)

Fixed bug - cancel button not being enabled during additional List Directory processing requests.

Version 3.0. (17 March 2008)

New design and layout. Directory processing. List box display. Progress bar display. Formatted text file output of the list box contents. Option to process files above 500 MB in size. Threading techniques used for processing.